

AMENDMENTS TO THE CLAIMS:

Please amend the claims as follows:

1. (Currently Amended) An electrostatic charge image developing toner, comprising:

a fixing resin; and

a wax comprising a plurality of wax components;

~~one type wax or K type (K is an integer in excess of 1) waxes;~~

wherein following formulae (1), and (2) and (3) are satisfied

$$T = \sum_{N=1}^k T_N \cdot W_N / 100 \quad \dots (1)$$

$$T \geq 56 \quad \dots (2)$$

$$W_1 + W_2 + \dots + W_k = 100 \quad \dots (3)$$

where T_N ($^{\circ}$ C) is comprises an onset temperature of an absorbed heat quantity curve of a wax constitutive component N in a differential scanning calorimeter (DSC), K comprises a number of said wax components, and W_N (wt%) is comprises a compound rate occupied in an overall said wax.

2. (Previously Presented) The electrostatic charge image developing toner according to claim 1, wherein a melting point of the wax, which is defined as a maximum peak of the absorbed heat quantity curve at a time of temperature rise, is set in a range of 50 $^{\circ}$ C to 120 $^{\circ}$ C in a DSC curve measured by the differential scanning calorimeter.

3. (Currently Amended) The electrostatic charge image developing toner according to claim 1, wherein the wax contains comprises a wax a crystallinity of which is 80% or more but is 93% or less, greater than 85% and less than 93%.

4. (Currently Amended) The electrostatic charge image developing toner according to claim 1, wherein the toner contains fixing resin comprises at least a vinyl copolymer, which is polymerized in existence of the wax, as the fixing resin.

5. (Currently Amended) The An image forming apparatus comprising:

an electrostatic charge holding member for holding an electrostatic latent image;
a developing unit for developing the electrostatic latent image; and
by using an electrostatic charge image developing toner which forms said image[;
wherein the electrostatic charge image developing toner contains comprises:

at least a fixing resin; and

~~one type wax or K types (K is an integer in excess of 1) waxes a~~
wax comprising a plurality of wax components, which satisfies following formulae (1),
and (2) and (3) are satisfied

$$T = \sum_{N=1}^k T_n \cdot W_n / 100 \quad \dots (1)$$

$$T \geq 56 \quad \dots (2)$$

$$\underline{W_1 + W_2 + \dots + W_k = 100} \quad \dots (3)$$

where T_n ($^{\circ}\text{C}$) is comprises an onset temperature of an absorbed heat quantity curve of a wax constitutive component N in a differential scanning calorimeter (DSC), K comprises a number of said wax components, and W_n (wt%) is comprises a compound rate occupied in an overall said wax.

6. (New) The electrostatic charge image developing toner according to claim 1, wherein the wax comprises 0.5 wt% to 10 wt% of the electrostatic charge image developing toner.

7. (New) The electrostatic charge image developing toner according to claim 6, wherein the wax comprises 3.0 wt% to 6.0 wt% of the electrostatic charge image developing toner.

8. (New) The electrostatic charge image developing toner according to claim 1, wherein said plurality of wax components comprises one of a natural wax and a synthetic wax.

9. (New) The electrostatic charge image developing toner according to claim 8, wherein said natural wax comprises at least one of animal wax, mineral wax and petroleum wax.

10. (New) The electrostatic charge image developing toner according to claim 8, wherein said synthetic wax comprises at least one of a Fischer-Tropsch wax and polyethylene wax.

11. (New) The electrostatic charge image developing toner according to claim 1, wherein said fixed resin comprises at least one of a homopolymer of styrene, a substituted homopolymer of styrene, styrene copolymer, poly(vinyl chloride), phenol resin, natural modified phenol resin, natural resin modified maleate resin, acrylic resin, methacrylic resin, poly (vinyl acetate), silicon resin, polyester resin, polyurethane, polyamide resin, furan resin, epoxy resin, xylene resin, polyvinylbutaryl, terpene resin, chroman-indene resin, and petroleum resin.
12. (New) The electrostatic charge image developing toner according to claim 11, wherein said fixed resin comprises at least one of styrene copolymer and polyester resin.
13. (New) The electrostatic charge image developing toner according to claim 1, wherein said plurality of wax components comprise at least one of polyethylene wax, a paraffin wax, alpha olefin wax and a Fischer-Tropsch wax.
14. (New) The electrostatic charge image developing toner according to claim 1, wherein at least one of said plurality of wax components comprises a low molecular weight wax and at least one of said plurality of wax components comprises a molecular weight which is higher than a molecular weight of said low molecular weight wax.
15. (New) The electrostatic charge image developing toner according to claim 14, wherein said wax comprises a rationalized molecular weight distribution by optimizing an amount of said molecular weight included in said wax.
16. (New) A wax for an electrostatic charge image developing toner, comprising:
a plurality of wax components,
wherein the following formulae (1), (2) and (3) are satisfied

$$T = \sum_{N=1}^k T_n \cdot W_n / 100 \quad \dots (1)$$
$$T > 56 \quad \dots (2)$$
$$W_1 + W_2 + \dots + W_k = 100 \quad \dots (3)$$

where T_n ($^{\circ}\text{C}$) comprises an onset temperature of an absorbed heat quantity curve of a wax component N in a differential scanning calorimeter (DSC), K comprises a number of said wax components, and W_n (wt%) comprises a compound rate occupied in said wax.

17. (New) The wax according to claim 16, wherein a melting point of the wax, which is defined as a maximum peak of the absorbed heat quantity curve at a time of temperature rise, is set in a range of 50 $^{\circ}\text{C}$ to 120 $^{\circ}\text{C}$ in a DSC curve measured by the differential scanning calorimeter.

18. (New) The electrostatic charge image developing toner according to claim 16, wherein the wax comprises a crystallinity which is greater than 85% and less than 93%.

19. (New) The electrostatic charge image developing toner according to claim 16, wherein the fixing resin comprises at least a vinyl copolymer, which is polymerized in existence of the wax.